

ABSTRACT OF THE DISCLOSURE

5 Three-Dimensional Display Apparatus

A three-dimensional display apparatus capable of producing an image in three dimensions without the aid of optical illusions or perspective trickery. The display apparatus is comprised of a plurality of pixels which are, in turn, comprised of a plurality of cells. The cells illuminate in one of the three primary colors red, green and blue such that a combination of a red, green and blue cell into a pixel, is capable of producing any color in the visible spectrum. The cells are oriented in the pixel such that light from the pixel is perceivable in six directions, thereby creating a three-dimensional light source. By combining a plurality of these three-dimensional light sources, i.e. a plurality of pixels in a three-dimensional matrix, a three-dimensional image is capable of being displayed.

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